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USER'S MANUAL

Ferm Radial Tile Cutter

FRTC-550

CE

Ferm®

Art.nr. 720900
Screwfix art.nr: 35263

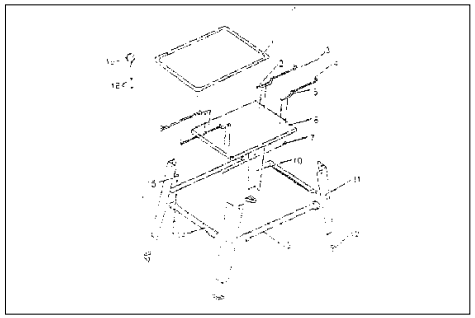


Fig.1

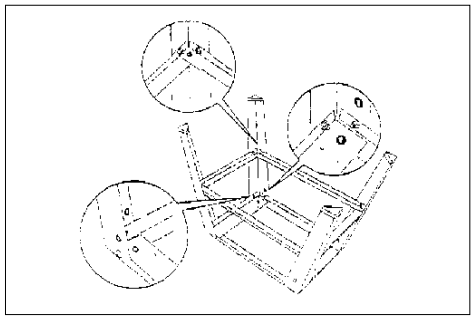


Fig.2

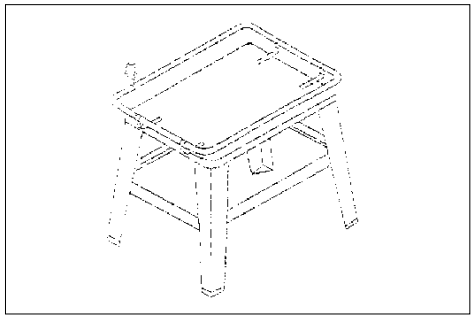


Fig.3

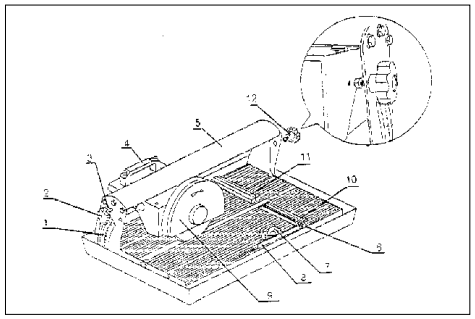


Fig.4 & 5

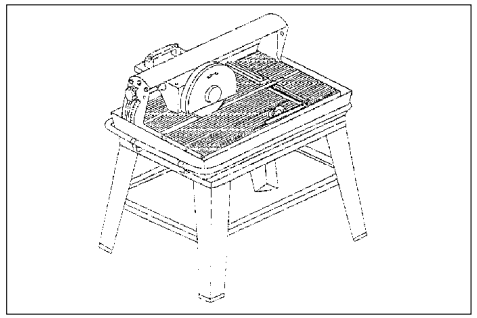


Fig.6

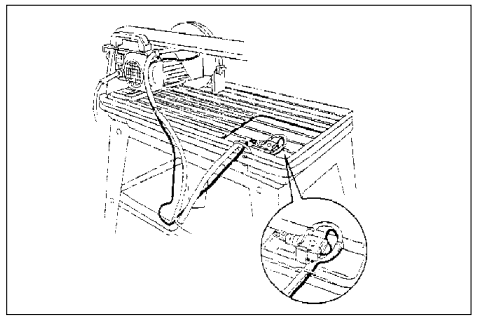


Fig.7

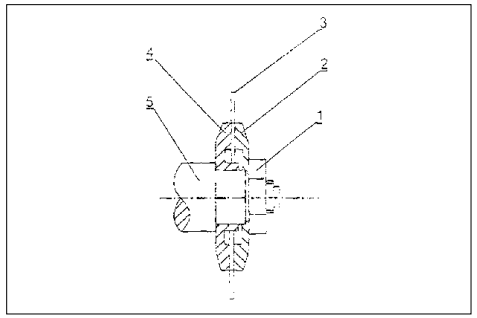


Fig.8

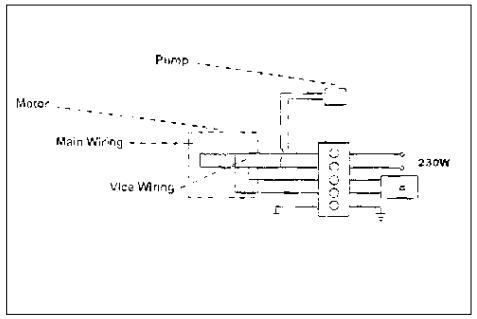
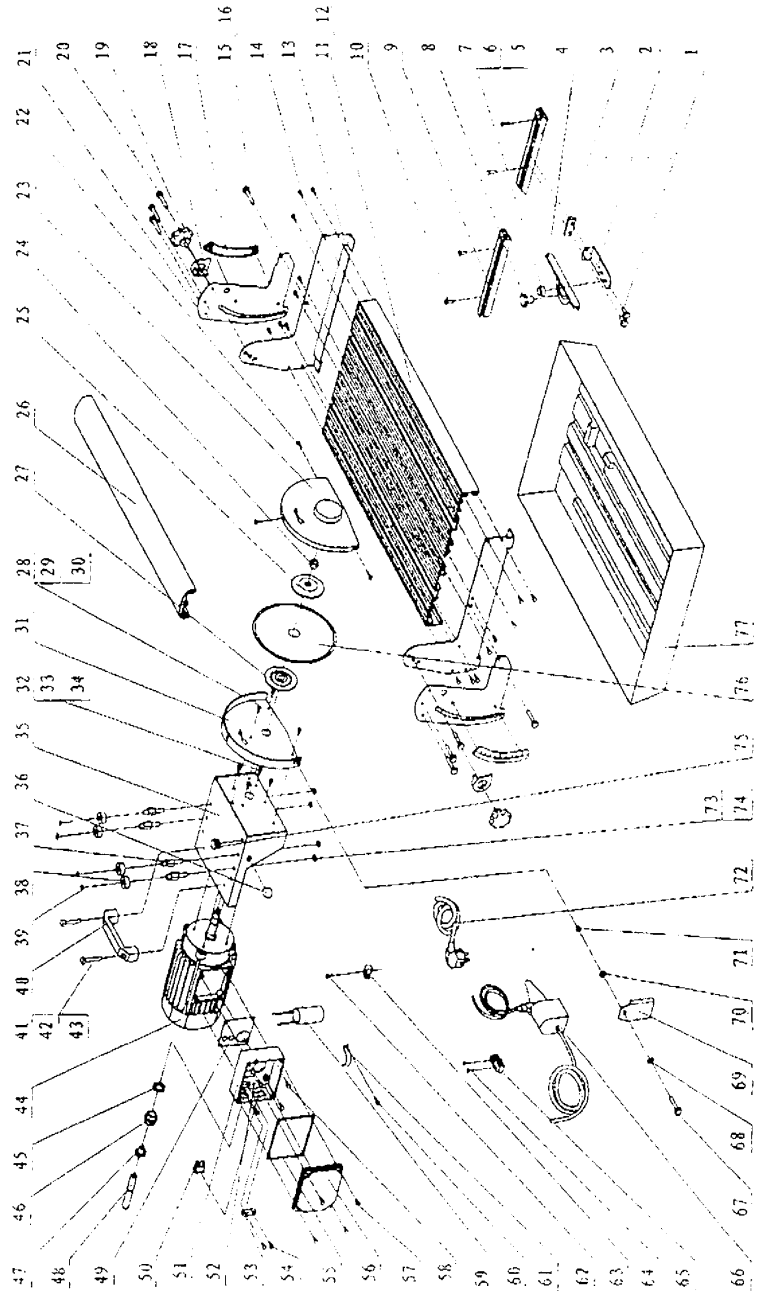


Fig.9

EXPLODED VIEW



STAND SPARE PARTS LIST

REF. NR.	DESCRIPTION	Q'TY
1	TOP STIFFENER L / R SIDE	2
2	M5 NYLON NUT	12
3	M5 HEX BOLT	12
4	FRAME CLIP	4
5	FRAME BRACKET	4
6	TOP STIFFENER (FRONT / REAR)	2
7	COACH BOLT M8	16
8	Ø 8 WASHER	16
9	M5 MYLON NUT	16
10	LEG NO. 1	2
11	LEG	2
12	FEET PAD	4
13	BOTTOM STIFFENER L / R SIDE	2
14	BOTTOM STIFFENER (FRONT / REAR)	2
15	M6 HEX-HEAD BOLT	4
16	Ø 6 WASHER	8
17	M6 NYLON NUT	4
18	M5 NUT	2
19	RING HOOK	1
20	FRAME TUBA	1

UK English

FERM RADIAL TILE CUTTER FRTC-550 USERS MANUAL

THE NUMBERS IN THE FOLLOWING TEXT CORRESPOND WITH THE PICTURES AT PAGE 2

SAFETY INSTRUCTIONS

The following pictograms are used in these instructions for use:

Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

Denotes risk of electric shock.

GENERAL SAFETY INSTRUCTIONS

Warning! *When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.*

Read all these instructions before attempting to operate your product. Save these instructions for future reference.

Keep work area clear
Cluttered areas and benches invite injuries.

Consider work area environment
Do not expose tools to rain. Do not use tools in damp or wet locations. Keep work area well lit. Do not use tools in the presence of flammable liquids or gases.

Guard against electric shock
Avoid body contact with earthed or grounded surfaces.

Keep other people away
Do not let others, especially children, not involved in the work touch the tool or the extension lead and keep them away from the work area.

Store idle tools
When not in use, tools should be stored in a dry locked-up place, out of reach of children.

Do not force the tool
It will do the the job better and saver at rate for which it was intended.

Use the right tool
Do not force smaal tools to do the job of a heavy tool. Do not use tools for purposes not intended; for example de not use circular saws to cut tree limbs or logs.

Dress properly
Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.

Use protective equipment
Use safety glasses. Use face or dust macsk if cutting operations create dust.

Connect to dust extraction equipment
If devices are provided for the connection of dust extraction and colleting equipment, ensure these are connected and properly used.
Do not abuse cable
Never pull the cable to diconnect it from the socket. Keep the cord away from heat, oil and sharp edge.

Secure Work
Where possible use clamps or a vice to hold work. It is safer than using your hand.

Do not over-reach
Keep a proper footing and balance at all times.

Maintain tools with care
Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged have them repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.

Disconnect tools
When not in use, before servicing and when changing accessories such as blades, bits and cutters disconnect tools from the power supply.

Remove adjusting keys and wrenches
Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

Avoid unintentional starting
Ensure that the switch is in off position when plugging in.

Use outdoor extension loads
When the tool is used outdoors, only use an extension cable intended for outdoor use and so marked.

Stay alert
Watch what you are doing, use common sence and do not operate the tool when you are tired.

Check damaged parts
Before further use of the tool, it should be carefully checked to determine that it will operate properly and perform its intended function. Check the alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operaton.
A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Do not use the tool if the switch does not turn it on and of.

Warning! *The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.*

Have your tool repaired by a qualified person
This electric tool complies with the relevant safety rules. Repairs should be carried out by a qualified person using original pats, otherwise this may result in considerable danger to the user.

ADDITIONAL SAFETY RULES FOR TILE CUTTERS

1. Wear protective glasses, dust mask, ear defenders, work gloves and protective-sliding shoes.
2. Keep the table flat an d do not scratch or press the table.
3. Do not put hands anywhere near the blade whilst it is rotating.
4. Do not attempt to free a jammed blade without first switching off or removing the plug from the mains power supply.
5. Do not cut small workpiece and also do not use for a purpose not intended.
6. Keep water full in the tank when you operate the cutter.
7. Do noy use any solvents for instead water in this tool.
8. Maintain th tool with care, keep blade sharp and clean, inspect plug, cord and water hose periodically.
9. Disconnect the tool from power source when not in use or before servicing. Changing the accessories must be carried out by qualified person.
10. Ensure to locked tool head *(Fig.5)*, before storing it.
11. When not in use, the tool must be stored in a dry place.

INSTALLATION

KNOW YOUR TILE CUTTER

Refer illustration Fig. 4.

1. Scale plate
2. Tighten knob
3. Indicater
4. Grip handle
5. Guide rall
6. Fixing bolt / mitre gauge
7. Knob / mitre gauge
8. Mitre fence
9. Blade guard
10. Back Fence (central end with 45° cutting)
11. Back Fence (double end planed)
12. Locking knob (for stop head moving)

TECNICAL SPECIFICATIONS

Motor	230V~,50Hz
Power	550W
No load speed	2950/min
Blade speed	28m/s
Blade size	Ø180mm, Ø25.4mm Bore
Max. depth of 90° cut	25mm
Max. depth of 45° cut	15mm
Max. cutting length	330mm
Netto weight	21.8kg
Lpa (Sound pressure level)	59.4 dB(A)
Lwa (Sound power level)	72.4 dB(A)
Vibration	2.8m/s²

FUNCTIONS AND CHARACTERISTIC

Blade can tilt to any angle between 0° and 45°.
The mitre gauge on the table can turn to any angle.
In the process of cutting, the pump can provide blade with water. This can increase the life of the blade and also decrease dust.
Blade moves along the guide rail in straigh and keeps the cut stable

ASSEMBLY

Warning! *Never connect the plug to power source outlet until all installations and adlustments are completed and tou haven read and understood the safety and operational instructions.*

Installing the stand

- Refer the illustrations *Fig.1*, *Fig.2* and *Fig.3* to install the stand.
- Note to find the leg *No. 10* and top stiffener *No. 6*, there were special marked as *Fig.3* shown, to install the stand.
- Install the tank frame on the top stiffener No.1, when stand complete assembled. *(Fig.3)*
- Note to tighten firmly all the bolts and nuts, for holding whole machine secure.

TILE CUTTER SPARE PARTS LIST II

REF. NR.	DESCRIPTION	PC
44	MOTOR	1
45-47	CABLE ANCHOR ASSEMBLY	1
48	CABLE SLEEVE	1
49	RUBBER WASHER	1
50	SWITCH	1
51	CONNECTION BOX	1
52	EARTH MARK	1
53	CONNECTING BOARD	1
54	ST3,5X16 SELF-DRIVING SCREW	2
55	RUBBER WASHER FOR SOURCE POWER BOX	1
56	COVER FOR SOURCE POWER BOX	1
57	ST2,9X18 SELF-DRIVING SCREW	4
58	M5X15 ROUND-HEAD SCREW	4
59	CAPACITOR	1
60	ST3,5X12 SELF-DRIVING SCREW	1
61	CAPACITOR CLIP	1
62	M5X15 ROUND-HEAD SCREW	1
63	ANCHOR	1
64	ST2,9X18 SELF-HEAD SCREW	2
65	TERMINAL	1
66	PUMP	1
67	SCREW	1
68	WASHER	1
69	PROTECTIVE-WATER BOARD	1
70	WASHER	1
71	NUT	1
72	PLUG	1
73	M8 NYLON LOCKED SCREW NUT	4
74	Ø 8 FLAT WASHER	4
75	CORD TUBE	1
76	Ø 180 BLADE	1
77	WATER TANK	1

TILE CUTTER SPARE PARTS LIST I

REF. NR.	DESCRIPTION	PC
1	M6X12 HEX-SCREW	2
2	BASE FOR FENCE	1
3	SLIDING SCREW	1
4	ANGLE PLATE	1
5	PROTECTIVE-DUST COVER	1
6	SPACER	1
7	PLASTIC WASHER	1
8	KNOB / MITE	1
9	FENCE	2
10	M6X25 HEX-SHREW	4
11	TABLE (RIGHT)	1
12	TABLE (LEFT)	1
13	SUPPORT PLATE (FRONT / BACK)	1 / 1
14	M5X20 HEAD-SUNK SCREW	16
15	M6X20 HEX-SCREW	2
16	Ø 6 WASHER	2
17	ANGLE PLATE (FRONT / BACK)	1 / 1
18	ARROW HEAD	2
19	LOCKING KNOB	2
20	M6X18 FLANGE SIDE SCREW	6
21	ANGLE PLATE (FRONT / BACK)	1 / 1
22	M4X12 SCREW	3
23	PROTECTIVE GUARD	1
24	LEFT SPIRAL SCREW NUT	1
25	OUITSIDE FLANGE	1
26	GUIDE RAIL	1
27	INSIDE FLANGE	1
28	M6X15 HEX-SCREW	3
29	Ø 6 FLAT WASHER	3
30	Ø 6 SPRING WASHER	3
31	FIXING PROTECTIVE GUARD	1
32	M5X12 HEX-SCREW	4
33	Ø 5 FLAT WASHER	4
34	Ø 5 SPRING WASHER	4
35	BASE	1
36	LIMITING LUMP	2
37	PREJUDICIAL ARBOR	4
38	609ZZ BEARING WITH PROTECTIVE-DUST COVER	4
39	Ø 9 WASHER FOR ARBOR	4
40	HANDLE	1
41	M5X15 ROUND-HEAD SCREW	2
42	Ø 5 FLAT WASHER	2
43	Ø 5 SPRING WASHER	2

Installing the Tile Cutter
Fig.4

- Refer the illustration *Fig.4* to install the tool.
- Install back fence *No.10* and *No.11* as *Fig.4*, and note to position the fence *No.10* in right side, that can assist blade for tilt cutting.
- Locate both assembled tool *(Fig.4)* onto stand *(Fig.3)*, as *Fig.6* shown.
- Refer the illustration *Fig.7* to install the hose and power cord of coolant pump into ring-hook *No.19*. *(Fig.1)*

CONNECTING TO THE POWER SUPPLY

Check that the power supply and plug used in accordance with tour tool. Have a look at the rating plate on the tile cutter. Any changes should always be carried out by a qualified electrician.

Warning! *This machine must be earthed.*

If not properly earthed this machine can cause an electrical shock. Be sure that the power supply outlet is earthed. If there is any doubt, have it checked by a qualified electrician.

Warning! *Avoid contact with the terminals on the plug when installing (removing) the plug to (from) the power supply outlet. Contact will cause a severe electrical shock.*

Using an extension lead

The use of any extension lead will cause some loss of power. To keep this to a minimum and to prevent overheating and motor burn-out, ask advice from a qualified electrician to determine the minimum wire size of the extension lead.

The extension lead should be equipped with an earthed type plug that fits the power supply outlet at one end, and with an earthed type socket that fits the plug of the machine at the other end.

OPERATING THE TOOL

Read and understand the following items about your tile cutter before attempting to use the machine.

- Adjust the required tool position, then tighten all the adjusting knobs *No.2*, fence bolts and mitre gauge bolts.
- Release the locked knob *No.13*. *(Fig.4 and 5)*
- Turn on the main switch and allow your tool to reach the maximum speed before commencing cutting.
- Hold the workpiece firmly against the work table and fence, then feed machine smoothly and evently to the workpiece.
- Cutting actions tends to slow the blade down. Pressure should therefore be occasionally released to allow the blade to regain the full speed.

Warning! *Do not attempt topick up an off-cut or to remove the holding workpiece before the cutting blade has completely stopped.*
If holding the workpiece by hand take extreme care and ensure hand is kept away from the cutting blade.

CHANGING CUTTING BLADE

Warning! *To avoid injury from accidental starting, always turn the switch off "0" and remove the power plug from the power source before changing the blade.*

- Remove the protective guard *No.9*. *(Fig .4)*
- Use specific spanners to release the *(left-spiral)* screw nut *No.1*. *(Fig.8)*
- Remove the outside flange *No.2*, then the blade *No.3*. *(Fig.8)*
- Care to assemble the new blade, the head of arrow on the blade and protecting guard *No.9 (Fig.4)* must be in the same direction.
- Assembling the outside flange, then lighten the screw nut firmly. *(Fig.8)*

Note:

- Inspect the new blade for cracks or other visible damage. Discard it if such damage is found.
- Position a smaller spanner in the shaft, then tighten the nut firmly with a bigger spanner.

MAINTENANCE

When mot in use, washdown immediately, following these steps:

- Disconnect the tool from the source of power.
- Clean the table.
- Let the dirty water out and clean the water tank. Push the sliding structure to the *"0"* position, tighten knob *No.2.(Fig.4)*
- Store the tool according to the safety instructions.
- Ensure to locked the machine head with locking knob *No.13 (Fig.4)*, as *Fig.5* shown, before storing it.

CE DECLARATION OF CONFORMITY (UK)

We declare under our sole responsability that this product is in conformity with the following standards or standardized documents

EN61029-1
EN55014-1, EN-55014-2,
EN61000-3-2, EN61000-3-3

in accordance with the regulations:

98/37/EEC
73/23EEC
89/336/EEC

from 12-12-2002
GENEMUIDEN NL
W. Kamphof
Quality department